

Fig - 1

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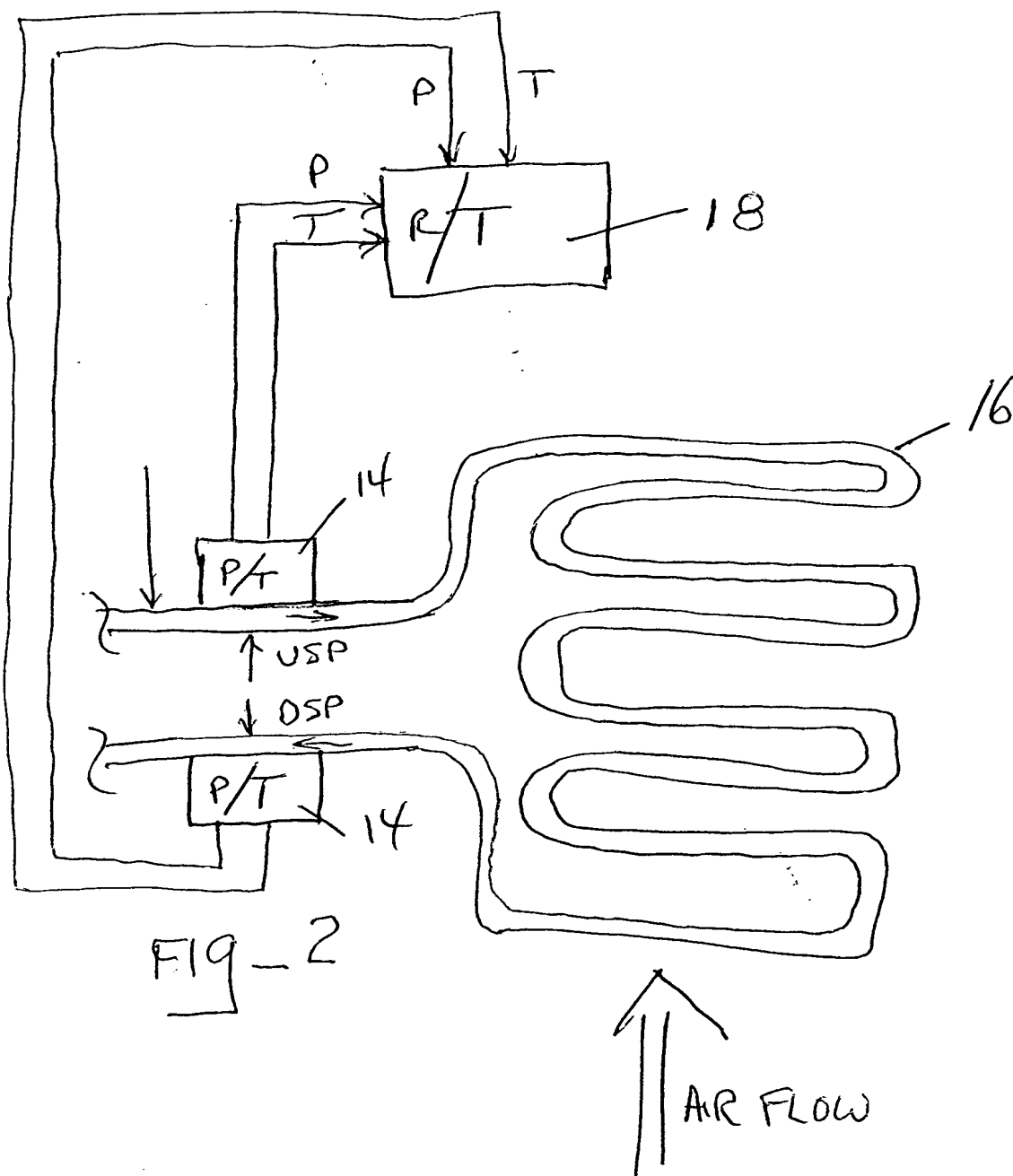
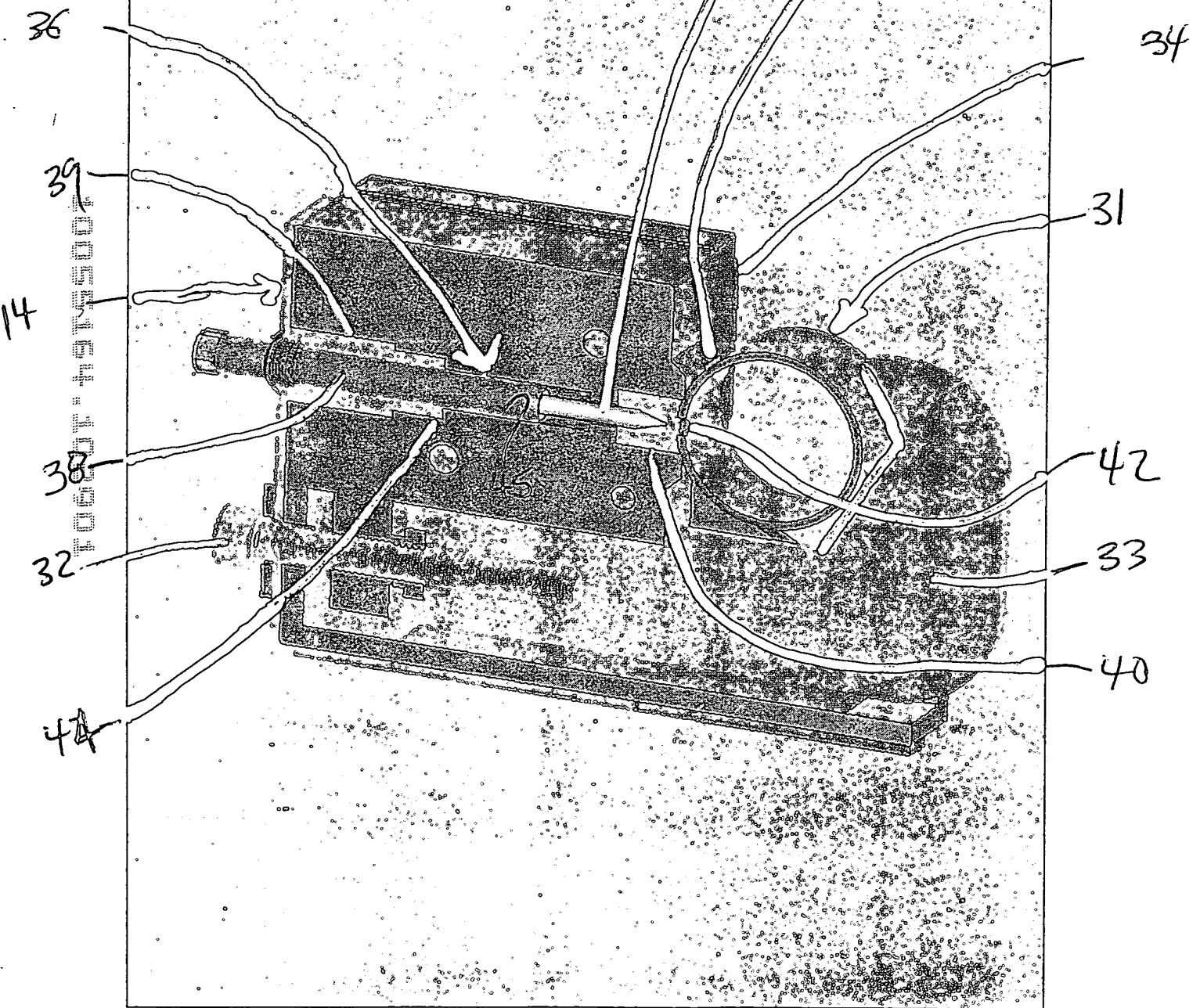
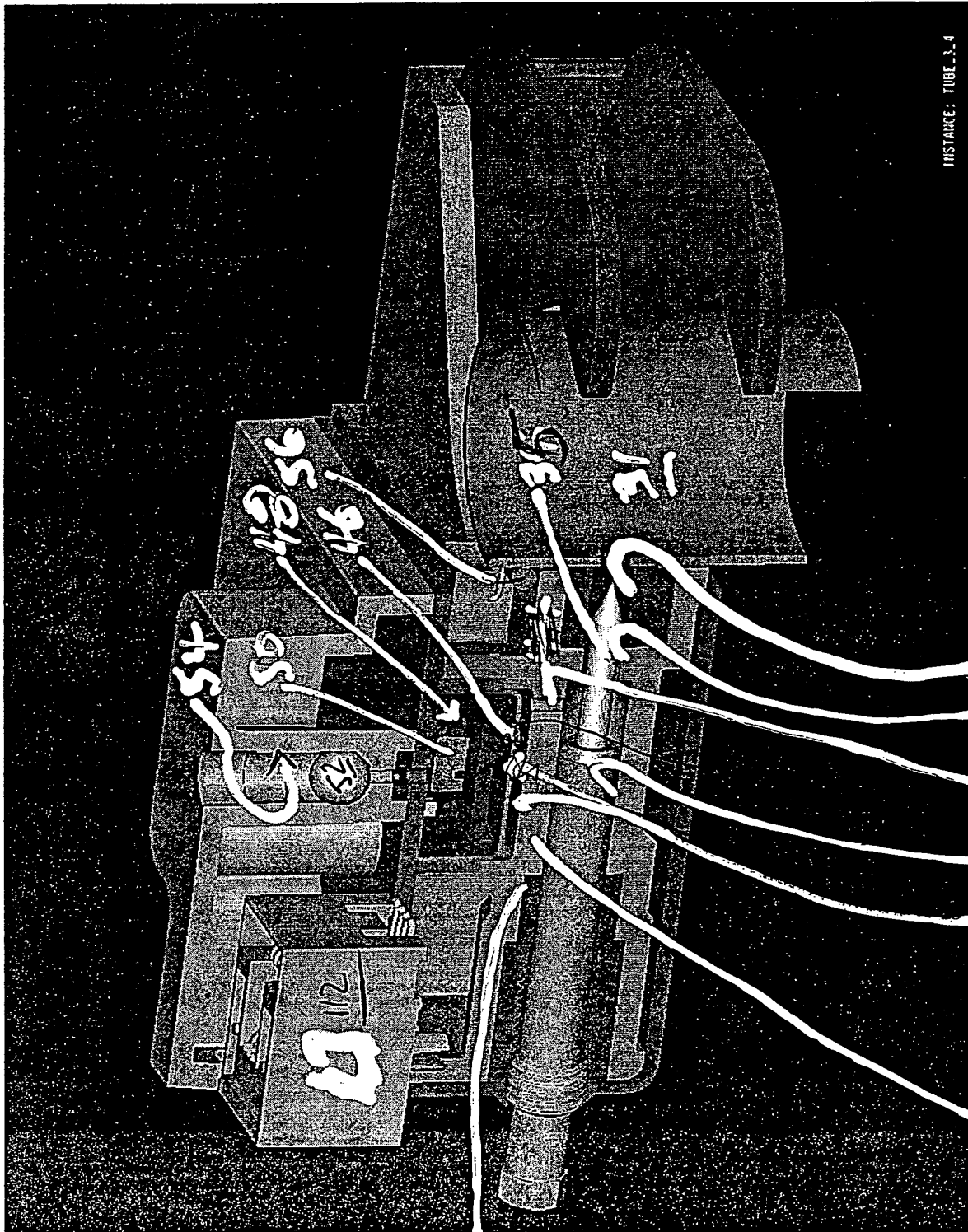


FIG -3



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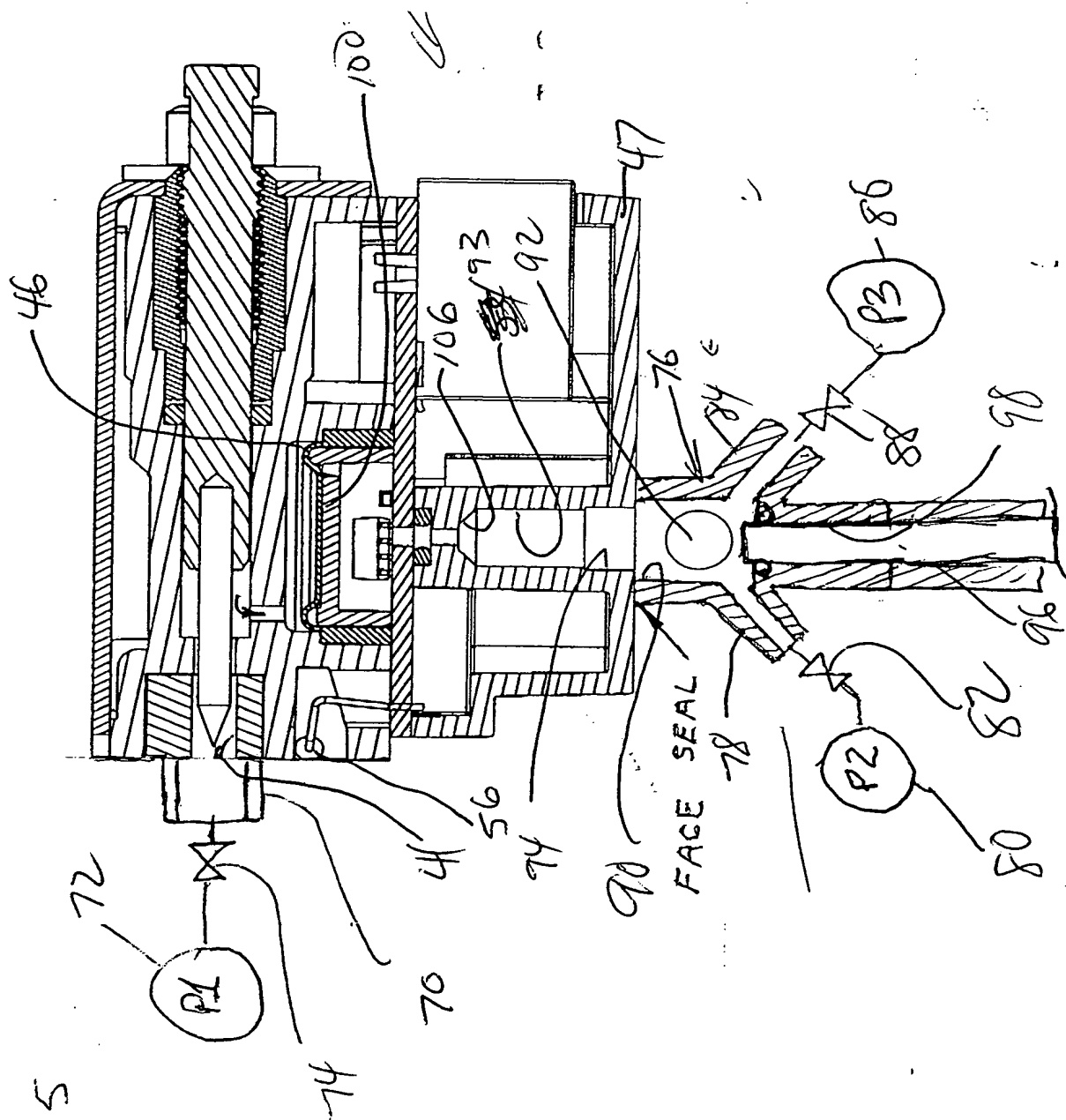
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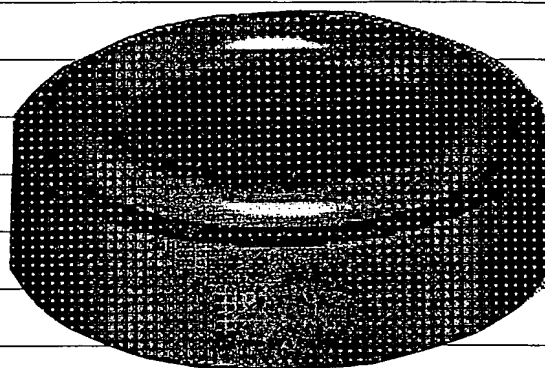
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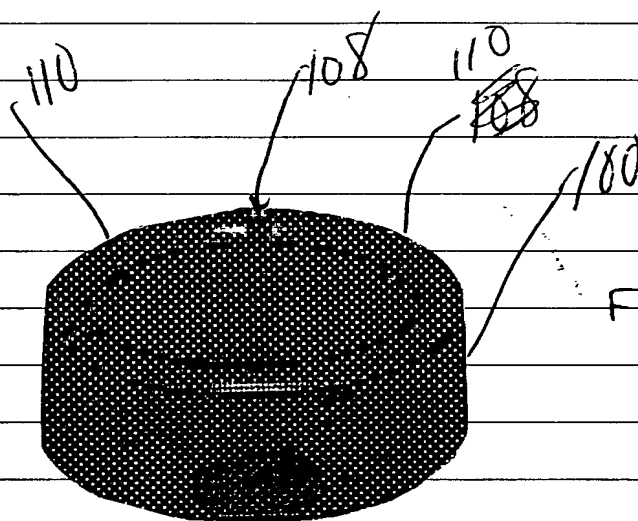
FIG. 5





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Fig - 6



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180

Fig - 7

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Catalog Data		$\sqrt{\Delta P}$	Flow/ $\sqrt{\Delta P}$
Flow, gpm	delta p		
1	0.5	0.707	1.41421
2	2	1.414	1.41421
3	4.5	2.121	1.41421
4	8	2.828	1.41421
5	12.5	3.536	1.41421
6	18	4.243	1.41421
7	24.5	4.950	1.41421
8	32	5.657	1.41421

Fig-8

P1	P2	$\Delta P$	$\sqrt{\Delta P}$
60	59.5	0.5	0.707
60	58	2	1.414
60	55.5	4.5	2.121
60	52	8	2.828
60	47.5	12.5	3.536
60	42	18	4.243
60	35.5	24.5	4.950
60	28	32	5.657

Fig-9

T1	T2	$\Delta T$
120	110	10
120	110	10
120	110	10
120	110	10
120	110	10
120	110	10
120	110	10
120	110	10

Fig-10

$\sqrt{\Delta P}$	$\Delta T$	$\sqrt{\Delta P} (\Delta T)$	Time Interval in minutes
0.707	10	7.1	5
1.414	10	14.1	5
2.121	10	21.2	5
2.828	10	28.3	5
3.536	10	35.4	5
4.243	10	42.4	5
4.950	10	49.5	5
5.657	10	56.6	5

Fig-11

Meter Register Total 254.6

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